PROJECT DESCRIPTION	EQUIPMENT LIST "A, B & C"		
PROJECT INVOLVES THE CONSTRUCTION OF ADA COMPLIANT RAMPS, TALLATION OF COUNTDOWN PEDESTRIAN SIGNAL HEADS, APS PUSHBUTTONS	A. EQUIPMENT TO BE SUPPLIED BY THE SHA		
SIGNS AT THE INTERSECTION OF US 29 (COLESVILLE ROAD ) AT Kklin avenue.	ITEM NO. DESCRIPTION 900000 SHEET ALUMINUM GROUND MOUNTED SIGN	UNIT QUANTITY	PHASING CHART
29 IS ASSUMED TO RUN IN A NORTH-SOUTH DIRECTION.	2 - W11-2 FY 36"X36"	SÉ 41	
INTERSECTION OPERATION	2 - M6-2(1) FY $30''X24''2 - R4-7$ $24''X30''$		R R R R R R R R R R R R R R R R R R R
INTERSECTION WILL OPERATE IN A NEMA FOUR-PHASE FULL-TRAFFIC-	1 - OM1-3 FY 18"X18" 900000 SHEET ALUMINUM MAST ARM/POLE MOUNTED SIGN	SF 4	G G G G G G G G G G
JATED MODE WITH AN ALTERNATE PEDESTRIAN PHASE FOR THE NORTH LEG THE INTERSECTION, THE SOUTHBOUND LEFT TURNS AT THIS INTERSECTION	4 - R10-3(1) 9"X15"		PHASE 1 AND 6 R R $_{4}$ G- $_{4}$ G- $_{4}$ G- $_{5}$ G R R R DW DW DW DW $_{7}$ DW $_{7}$ DW $_{8}$
RATE IN EXCLUSIVE-PERMISSIVE PHASING. A CONCURRENT PEDESTRIAN SE IS PROVIDED FOR THE EAST LEG OF THE INTERSECTION.	B. EQUIPMENT TO BE FURNISHED AND/OR INSTALLED BY THE CONTRACTOR  ITEM NO. DESCRIPTION		PHASE 2 AND 6 G G G G R R R DW DW DW DW DW
	100000 MAINTENANCE OF TRAFFIC (PER INTERSECTION)	UNIT QUANTITY  FA 1	2 AND 6 CHANGE Y Y Y Y Y R R R DW DW DW DW
CONTROLLER REQUIREMENTS  EXISTING FULL-TRAFFIC-ACTUATED EIGHT PHASE TRAFFIC SIGNAL CONTROLLE	201032 CLASS 2 EXCAVATION - 203030 TEST PIT EXCAVATION	CY 2.5	PHASE 2 ALT AND 6 G G G G R R R DW DW WK WK
TELEMETRY CABLE HOUSED IN A BASE MOUNTED CABINET SHALL REMAIN. WIRE APS CENTRAL CONTROL UNIT SHALL BE FURNISHED BY THE CONTRACTOR	520109 3 INCH GRADED AGGREGATE BASE COURSE	TON 6	PED CLEARANCE G G G G R R R DW DW FL/DW FL/DW
INSTALLED BY MONTGOMERY COUNTY.	585621 12 INCH WHITE PREFORMED THERMOPLASTIC PAVEMENT MARKING LINES 585625 24 INCH WHITE PREFORMED THERMOPLASTIC PAVEMENT MARKING LINES	LF 480 LF 70	PHASE 4 R R R R G G G DW DW DW DW DW
	585700 REMOVAL OF EXISTING PAVEMENT MARKING LINES, ANY WIDTH 600000 TYPE A COMBINATION CURB AND GUTTER ANY HEIGHT OR DEPTH	LF 560	4 CHANGE R R R R R Y Y DW DW DW DW H
	600000 TYPE A CURB ANY HEIGHT OR DEPTH 655105 5 INCH CONCRETE SIDEWALK	LF 194 LF 63	PHASE 4 ALT RRRRRGGGWKWKDWDW
SPECIAL NOTES	655120 DETECTABLE WARNING SURFACE FOR CURB RAMPS 704345 PLACING FURNISHED TOPSDIL 4 INCH DEPTH	SF 870 SF 72	4 ALT CHANGE R R R R R Y Y DW DW DW DW 1
S WILL FUNCTION AS FOLLOWS: TO CROSS US 29 (COLESVILLE ROAD):	708220 TURFGRASS SOD ESTABLISHMENT 800000 2-WIRE APS CENTRAL CONTROL UNIT	SY 13 SY 13	FLASHING OPERATION  FL/YFL/YFL/YFL/YFL/RFL/RFL/RDARKDARKDARKDARK
	800000 ADJUST HANDHOLE TO GRADE AND REPLACE FRAME AND COVER	EA 1 EA 1	·
A. WHEN PEDESTRIAN LOCATES AND PRESSES PUSHBUTTON FOR AN EXTENDED TIME, THE PUSHBUTTON UNIT MESSAGE WILL BE "WAIT TO CROSS COLESVILLE AT FRANKLIN. WAIT."	800000 16 INCH LED COUNTDOWN PEDESTRIAN SIGNAL HEAD	EA 4 EA 2	GENERAL NOTES
B. WHEN WALK PHASE BEGINS, THE MESSAGE WILL BE A RAPID TICK WHICH WILL LAST FOR THE DURATION OF THE WALK PHASE.	& GROUND ROD		. THE CONTRACTOR SHALL VERIFY ALL PROPOSED POLE LOCATIONS PRIOR TO INSTALLATION.
TO CROSS FRANKLIN AVENUE:	800000 REMOVE & DISPOSE OF EXISTING SIGNAL EQUIPMENT (PER SIGNALIZED INTERSECTION LOCATION)	EA 1 2	• THE CONTRACTOR SHALL BE RESPONSIBLE FOR TERMINATING ALL SIGNAL CABLE TO THE APPROPRIATE TERMINALS AND PROPERLY LABELING EACH CABLE.
A. WHEN PEDESTRIAN LOCATES AND PRESSES PUSHBUTTON FOR AN EXTENDED TIME, THE PUSHBUTTON UNIT MESSAGE WILL BE "WAIT TO CROSS FRANKLIN AT COLESVILLE. WAIT."	800000 UP TO 4 INCH SCHEDULE 80 RIGID PVC CONDUIT — BORED OR SLOTTED 800000 UP TO 4 INCH SCHEDULE 80 RIGID PVC CONDUIT—TRENCHED		· ALL UNUSED CABLE SHALL BE REMOVED AND DISPOSED OF BY THE CONTRACTOR.
B. WHEN WALK PHASE BEGINS, THE MESSAGE WILL BE A RAPID TICK WHICH WILL LAST FOR THE DURATION OF THE WALK PHASE	800000 WOOD SIGN SUPPORTS UP TO 4 INCH X 6 INCH 800000 INSTALL OVERHEAD OR GROUND MOUNTED SIGN (INCLUDING ALL HARDWARE)	LF 80 SF 45	<ul> <li>UNDERGROUND UTILITIES SHOWN ON THESE PLANS ARE SCHEMATIC ONLY AND MAY NOT BE COMPLETE. THE CONTRACTOR SHALL BE RESPONSIBLE FOR NOTIFYING "MISS UTILITY" PRI TO CONSTRUCTION SO THAT ALL UTILITIES MAY BE LOCATED IN THE FIELD. IF THE CONTRACTOR PERCEIVES THAT A CONFLICT BETWEEN THE UTILITIES AND THE TRAFFIC SIG WILL OCCUR, THE CONTRACTOR SHALL NOTIFY THE PROJECT ENGINEER IMMEDIATELY SO TH THE GONFLICT MAY BE RESOLVED.</li> </ul>
WITCH WILL LAST FOR THE BURATION OF THE WALK PHASE	800000 THIRD PARTY CONCRETE TESTING (PER INTERSECTION) 802501 NO. 6 AWG STRANDED BARE COPPER GROUND WIRE	EA 1 LF 245	CONTRACTOR PERCEIVES THAT A CONFLICT BETWEEN THE UTILITIES AND THE TRAFFIC SIG WILL OCCUR, THE CONTRACTOR SHALL NOTIFY THE PROJECT ENGINEER IMMEDIATELY SO TH
	861105 ELECTRICAL CABLE — 2 CONDUCTOR (NO. 14 AWG) 861107 ELECTRICAL CABLE — 5 CONDUCTOR (NO. 14 AWG)	1 - 365	· ALL PEDESTAL FOUNDATION TOPS SHALL BE INSTALLED FLUSH WITH SIDEWALK GRADE.
	C. ALL MATERIALS TO BE REMOVED BY THE CONTRACTOR SHALL BECOME THE PROPERTY OF		
CONTACT PERSONS FOR DISTRICT #3 ARE AS FOLLOW	4	THE CONTRACTOR.	<ul> <li>LOCATION OF ACCESSIBLE PEDESTRIAN SIGNAL PUSHBUTTONS MUST MEET LOCATION REQUIREMENTS OF MUTCD SECTION 4E.10, MUTCD FIGURES 4E-3 AND 4E-4, AND THE NCHRI PUBLICATION, "ACCESSIBLE PEDESTRIAN SIGNALS: GUIDE TO BEST PRACTICE." IF NOT MI THE CONTRACTOR IS TO STOP WORK ON PUSHBUTTON LOCATIONS UNTIL A DESIGN WAIVER IS OBTAINED, APPROVED BY THE DIRECTOR, OFFICE OF TRAFFIC AND SAFETY.</li> </ul>
IS. ANYESHA MOOKHERJEE		. 7	• PUSHBUTTONS ARE TO BE LOCATED SO THAT THEY CAN BE ACTIVATED BY A PERSON IN A
SSISTANT DISTRICT ENGINEER-TRAFFIC "HONE: (301) 513-7358	A A R 7	<b>#</b> /	<ul> <li>PUSHBUTTONS ARE TO BE LOCATED SO THAT THEY CAN BE ACTIVATED BY A PERSON IN A WHEELCHAIR REACHING LESS THAN 18" FROM A 60" X 60" LEVEL LANDING AREA WITH A CF SLOPE OF LESS THAN OR EQUAL TO 2%.</li> </ul>
IR. TOM FOUNTAIN	A,B,Z	8	THE 10' SEPARATION BETWEEN PUSHBUTTONS IS TO BE MEASURED FROM FACE OF PUSHBUTTO TO FACE OF PUSHBUTTON. NOT CENTER OF POLE TO CENTER OF POLE.
SSISTANT DISTRICT ENGINEER - MAINTENANCE HONE: (301) 513-7304	// <u> </u>	B, Z 9	· PUSHBUTTON ARROWS AND SIGNS ARE TO BE ORIENTED PARALLEL TO THE CROSSING FOR WHITHEY ARE INTENDED.
R. DUANE BERNARD		1	O. THE CONTRACTOR SHALL CAP AND ABANDON CONDUITS FEEDING EXISTING SIGNAL EQUIPMENTHAT IS REMOVED.
SSISTANT DISTRICT ENGINEER - CONSTRUCTION HONE: (301) 513-7385		. 1	1. VIDEO DETECTION CAMERA ALIGNMENT SHALL BE COORDINATED WITH THE ENGINEER.
		1:	2. THE CONTRACTOR SHALL CONTACT ED RODENHIZER AT THE SIGNAL SHOP (410) 787-7652 TO DELIVER APS EQUIPMENT FOR TESTING.
CONTACT PERSONS FOR OOTS ARE AS FOLLOWS:		1.	3. ALL CONTROLLER CABINET WIRING WILL BE PERFORMED BY MONTGOMERY COUNTY FORCES, CONTACT MR. KAMAL HAMUD AT (240) 777-8761, 72 HOURS IN ADVANCE OF INTENDED WORK
MS. CORREN JOHNSON MR. ROBERT SNYDER DIVISION CHIEF, ASSISTANT DIVISION CHIEF,		-A,B,Z	WORK THE TOTAL TO THE GOOD TO ADVANCE OF THE TOTAL
TRAFFIC OPERATIONS TRAFFIC OPERATIONS (410)787-7630 (410)787-7631			
MR. ED RODENHIZER MR. EUGENE BAILEY	\	D,Z	
MANAGER, SIGNAL OPERATIONS MANAGER, SIGN OPERATIONS (410)787-7676	D 1 - F	PF/	
'NNTACT DEDCONC FOR MONTOOMEDY ACCUMENT ARE SA	C,E,Z F		STATE OF MARYLAND DEPARTMENT OF TRANSPORTATION
CONTACT PERSONS FOR MONTGOMERY COUNTY ARE AS	FULLUWS:	— A,Β,C,	STATE HIGHWAY ADMINISTRATION  OFFICE OF TRANSPORTATION  OFFICE OF TRANSPORTATION
TRAFFIC ENGINEER PHONE:(240) 777-8761	C C,E F,Z	D,E,F — A,B,C,	TRAFFIC & SAFETY  TRAFFIC ENGINEERING DESIGN DIVISION  US 29 (COLESVILLE ROAD) AT
MR. BOB RICKETTS		D,E,F PF	FRANKLIN AVENUE
MONTGOMERY COUNTY SIGNAL SHOP PHONE: (301) 279-1291	WIRING KEY		SILVER SPRING, MARYLAND  REVISIONS GENERAL INFORMATION SHEET
A,C	5-CONDUCTOR ELECTRICAL CABLE (NO.14 AWG)  PEPCO #		SCALE NONE DATE MARCH 2013 CONTRACT NO. XYI5151
B,D,E	F 2-CONDUCTOR ELECTRICAL CABLE (NO.14 AWG) 794427-829 STRANDED BARE COPPER GROUND WIRE (NO.6 AWG)	RKK	DESIGNED BY GS COUNTY MONTGOMERY
PF	EXISTING POWER FEED	Rummel, Klepper & Kahl, LLP	DRAWN BY GS LOGMILE 15002901.85
	EXISTING GROUND ROD	81 MOSHER STREET   BALTIMORE, MD 2 PH: (410) 728-2900 FAX: (410) 728	
<del>-                                   </del>			